

Attachment A

Project Description: Aquifer Storage and Recovery Expansion Project

The Aquifer Storage and Recovery Expansion Project being proposed for consideration is a Seawater Intrusion Barrier generally located along a northwest to southeast alignment in the vicinity of Hueneme Road and Pacific Coast Highway as shown in Figure 2-6. This project was considered as part of Phase 2 of the GREAT program and was included in the Program Environmental Impact Report (PEIR) developed by CH2MHill for the City in 2004. The PEIR contains detailed descriptions and analyses of GREAT Program Phases 1 and 2. Section 2.4.4 of the PEIR Volume 1 includes an overall description of the Project and Sections 4.6.3.1.2 and 4.6.3.3.2 describe the modeling and proposed operation respectively. Recycled water would be conveyed to the ASR wells via the recycled water delivery system along Hueneme Road and a new ASR well Conveyance Pipeline constructed along Pacific Coast Highway. Individual Coastal ASR Well Laterals would be constructed from the main conveyance pipelines to distribute water to each well. Water injected into the coastal aquifers would act as a focused seawater intrusion barrier, create a new water supply for the basin to mitigate overdraft conditions and would generate groundwater storage that could be extracted from the Oxnard Forebay. Stored water generated from the Project would be pumped for potable use from the north Oxnard Plain using City wells where the aquifer system is readily replenished, and overdraft conditions are not present. Modeling results from the PEIR suggests the likelihood of “very large increases in groundwater elevations along the coastal injection wells” and that the Project would “significantly help to decrease the severe overdraft conditions...”. The concept of a coastal barrier has been considered and analyzed and might be worthy of consideration as part of the portfolio of possible actions to fulfill the basin management objectives set forth in the GSP.

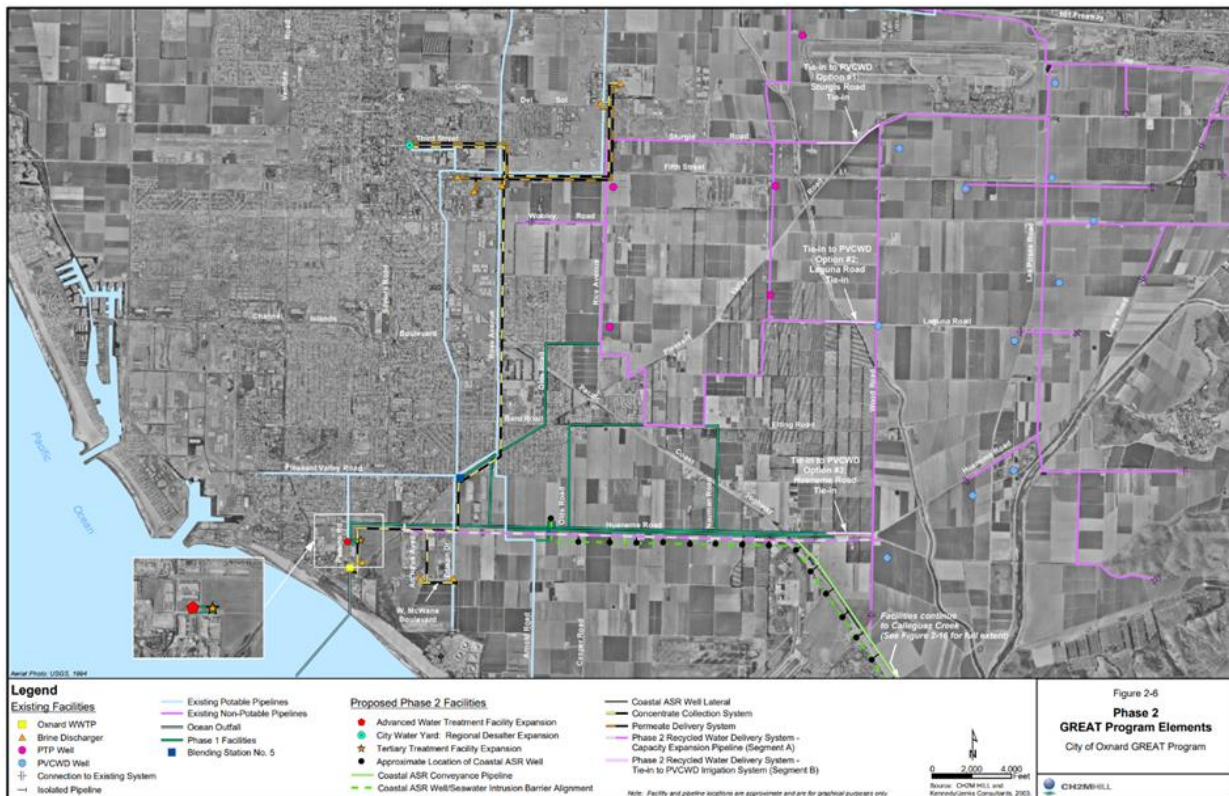


Figure 2-6
Phase 2
GREAT Program Elements
City of Oxnard GREAT Program